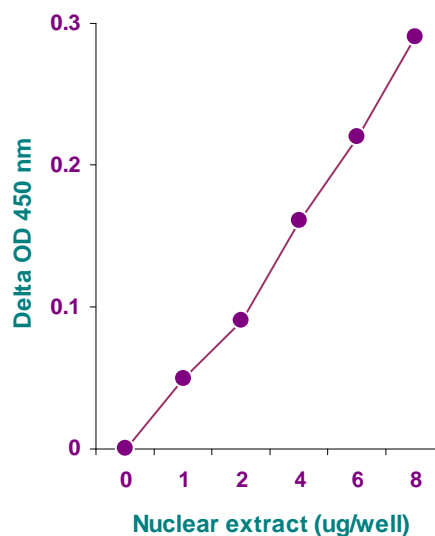
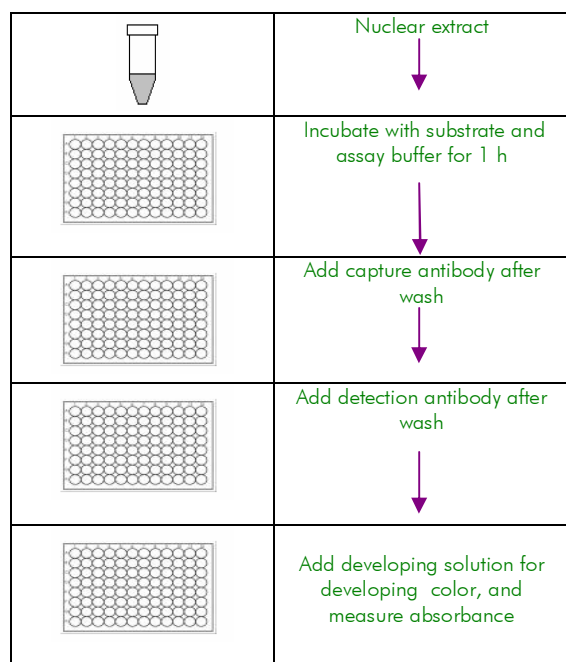


EpiQuik™ DNA Methyltransferase Activity/Inhibition Assay Kit

Epigenetic inactivation of genes plays a critical role in many important human diseases, especially in cancer. Core mechanism for epigenetic inactivation of the genes is methylation of CpG islands in genome DNA. Methylation of CpG islands involves the course in which DNA methyltransferases (Dnmts) transfer a methyl group from S-adenosyl-L-methionine to the fifth carbon position of the cytosines. Inhibition of Dnmts may lead to demethylation and expression of the silenced genes. Dnmt inhibitors are currently being developed as potential anticancer agents. There are only a couple of methods used for measuring Dnmt activity/inhibition. These methods currently available on the market are time consuming, labor-intensive, have low throughput, or produce radioactive waste. The EpiQuik™ DNA Methyltransferase Activity/Inhibition Assay Kit addresses these problems by using a proprietary and unique procedure to measure Dnmt activity/inhibition.

Features:

- Quick and efficient, which can be finished within 3 hours.
- Innovative colorimetric assay without radioactivity, extraction, and chromatography.
- Striped microplate format makes the assay flexible: manual or high throughput analysis.
- Simple, reliable, and consistent assay conditions.



Analysis of Dnmt activity in HeLa nuclear extract.

Ordering Information

Products

Cat. No.

EpiQuik™ DNA Methyltransferase Activity/Inhibition Assay Kit
(48 samples) P-3001-1

EpiQuik™ DNA Methyltransferase Activity/Inhibition Assay Kit
(96 samples) P-3001-2

Available Related Products*

EpiQuik™ Histone Methyltransferase Activity/Inhibition Assay Kit (H3-K4)
(48 samples) P-3002-1

EpiQuik™ Histone Methyltransferase Activity/Inhibition Assay Kit (H3-K4)
(48 samples) P-3002-2

EpiQuik™ Histone Methyltransferase Activity/Inhibition Assay Kit (H3-K9)
(48 samples) P-3003-1

EpiQuik™ Histone Methyltransferase Activity/Inhibition Assay Kit (H3-K9)
(96 samples) P-3003-2

EpiQuik™ Histone Methyltransferase Activity/Inhibition Assay Kit (H3-K27)
(48 samples) P-3004-1

EpiQuik™ Histone Methyltransferase Activity/Inhibition Assay Kit (H3-K27)
(96 samples) P-3004-2

EpiQuik™ Histone Methyltransferase Activity/Inhibition Assay Kit (H3-K36)
(48 samples) P-3005-1

EpiQuik™ Histone Methyltransferase Activity/Inhibition Assay Kit (H3-K36)
(96 samples) P-3005-2

EpiQuik™ Histone Methyltransferase Activity/Inhibition Assay Kit (H3-R2)
(48 samples) P-3006-1

EpiQuik™ Histone Methyltransferase Activity/Inhibition Assay Kit (H3-R2)
(96 samples) P-3006-2

EpiQuik™ Histone Methyltransferase Activity/Inhibition Assay Kit (H3-R17)
(48 samples) P-3007-1

EpiQuik™ Histone Methyltransferase Activity/Inhibition Assay Kit (H3-R17)
(96 samples) P-3007-2

* Not regularly in stock.